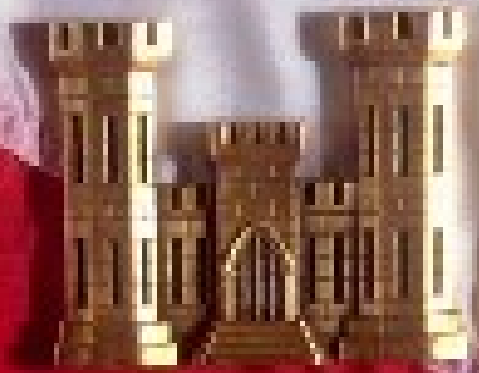
THE CONTINUING AUTHORITIES PROGRAM

Ecosystem Restoration & Flood Damage Reduction Services



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Ecosystem Protection & Restoration

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Environmental Authorities & Programs

- Continuing Authorities Program
- Environmental Management Program
- Ecosystem Restoration Program from the Navigation Study
- Illinois River Restoration Activities

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Ecosystem Restoration
Continuing Authorities Program

- **Section 1135 – project modifications for improvements to the environment**

- **Section 204 – beneficial use of dredge materials**

- **Section 206 – aquatic ecosystem restoration**

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Feasibility Phase

- Define problems & opportunities & potential solutions
- Assess federal interest, costs, benefits, & environmental impacts
- Assess the support of the local interests for feasibility & implementation of a project
- Evaluate potential alternatives
- Select the plan to be built & can take from 18 months to 3 years to complete
- 50-50 cost share
- Non-federal share -- cash & in-kind products or services

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Section 1135 (Project Modifications for Improvement of Environment)

- Planning is 100% federally funded up to $100,0
- Federal limit $5M
- 50/50 cost share fo feasibility
- 75/25 cost share fo design & implementation
- Land credits, cash work-in-kind allowed to satisfy sponsor's cost share

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Section 1135

Mill Creek/Milan Bottoms, Rock Island, Illinois

Before

After

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Section 204 (Beneficial Use of Dredge Materials)

- Planning is federally funded up to $100,000
- Cost shared 50/50 for feasibility
- Cost shared 75/25 non-federal for costs over the dredging project base plan for implementation
- No work-in-kind
- Federal limit $5M
- Land credits & cash allowed to meet sponso share

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Section 204

Blackhawk Bottoms, Pool 19, Iowa

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Section 206 (Aquatic Ecosystem Restoration)

- Planning is initially federally funded up to $100,000
- Feasbility phase 50/50 cost share
- Design & implementation phase 65/35 cost share
- Cash & land credits & wed for sponsor's share

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Section 206 Ventura Marsh at Clear Lake in Iowa

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Flood Damage Reduction
Continuing Authorities Program

- **Section 205 – small flood damage reduction projects**

- **Section 14 – emergency streambank & shoreline protection**
- **Section 208 – clearing & snagging of waterways**

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Reconnaissance Phase

1. Define problems & opportunities & potential solutions

2. Assess federal interest, costs, benefits, & environmental impacts of the identified alternatives

3. Estimate the cost of the feasibility phase

4. Assess the support of the local interests for feasibility & implementation of a project

5. Limited to $100,000

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Feasibility Phase

- Optimizes the plan or plans to be built & can take from 18 months to 3 years to complete
- 50-50 cost share for study costs more than $100,000
- Non-federal share -- cash & in-kind products or services
- Determines if projects are feasible, economically justified & environmentally acceptable

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Section 205 (Flood Damage Reduction)

- $7M federal cost limit
- Following feasibility, projects designed & constructed with 65% federal cost share
- Sponsor must contribute 35% (minimum 5% cash)

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Section 205

Mad Creek, Muscatine, Iowa

Existing Mad Creek

Existing Panel Closure

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Section 14 (Emergency Streambank & Shoreline Protectio

- **Purpose: To prevent damage to critical public infrastructure**
- **65/35 cost share**
- **$1M federal limit**
- **Cannot be used to protect privat lev**

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Section 14

Fox River, Missouri, Highway 61 Bridge

Before

After

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Section 208 (Clearing, Snagging & Channel Excavation To Reduce Flooding)

- 65/35 cost share
- All costs over $100,000 require a 35% local cost share
- $500,000 federal limit

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Project Implementation & Local Cooperation

Sponsor must:

1. **Provide all lands, easements, rights-of-way, relocations & disposal areas necessary for the construction & subsequent maintenance of the project**
2. **Hold & save the United States free from damages due to the construction and subsequent maintenance of the project, except damages due to the fault or negligence of the United States or its contractors**
3. **Maintain & operate the project after completion without cost to the United States**
4. **Prevent future encroachment, which**

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Project Implementation & Local Cooperation

(Continued)

Sponsor must:

5. **Assume responsibility for all costs in excess of applicable federal cost limitations**
6. **Provide guidance and leadership in preventing unwise future development of the flood plain by use of appropriate flood plain management techniques to reduce flood losses**
7. **Provide a minimum cash contribution of 5% of the project cost**
8. **If the value of the sponsor's contribution above does not equal or exceed 35% of the project cost, provide cash contribution to make the sponsor's total contribution equal to 35%**

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Planning Assistance to States

Typical Studies

Water Supply & Demand
Water Quality
Environmental Conservation
Environmental Restoration
Wetland Evaluation
Dam Safety/Failure
Flood Damage Reduction
Flood Plain Management
Land Use Planning
Master
Brownfields Environmental Assessments

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Flood Plain Management Services

Most Common Types of Studies

- Flood Plain Delineation/Flood Hazard Evaluation
- Dam Break Analysis
- Hurricane Evacuation
- Flood Warning/Preparedness
- Regulatory Floodway
- Comprehensive Flood Plain Management
- Urbanization Impact
- Stormwater Management

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Emergency Readiness & Response

Examples of Preparedness Assistance

- Emergency seminars & exercises
- Inspection for Public Law 84-99 eligibility
- Technical assistance

Examples of Response Assistance

- Assist in search & rescue
- Technical advice
- Provide emergency repairs to levees & other flood control projects
- Sandbags, plastic sheeting, lumber, pumps, or rock

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Emergency Readiness & Response

Examples of Recovery Assistance

- Technical advice
- Restoration repairs to eligible flood control projects
- clearance of drainage channels, bridge openings, or structures blocked by debris deposited during the event
- Clearance of blockages of critical water supply intakes & sewer outfalls
- Debris removal necessary to reopen vital transportation routes
- Temporary restoration of critical public services or facilities
- Identify hazard mitigation opportunities

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